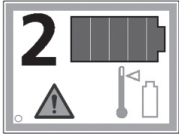
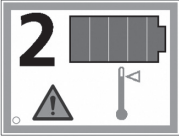

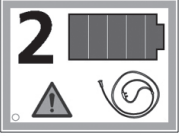
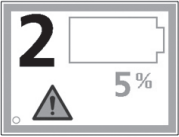
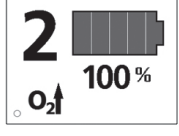
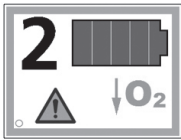
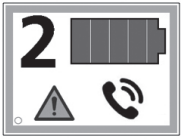
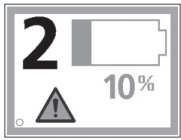

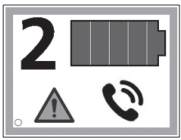
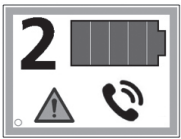
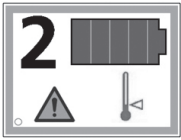

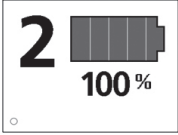
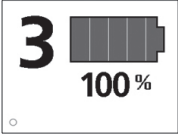

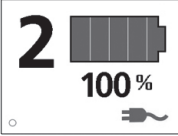



Alarm Conditions

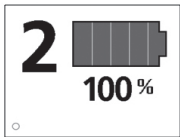
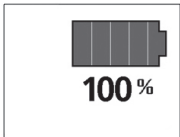
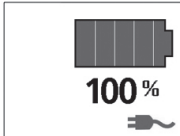
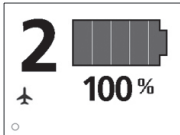
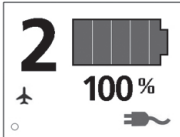
Priority #	Alarm Description	Display	Audible Signal	More Details
1	System Malfunction Battery Over Temp		1 beep every 20 sec	Unit will alarm when battery temperature is approaching safety shutdown threshold. If shutdown threshold is reached, unit will shut down. If external power is connected, alarm screen will display and audible alarm will continue for 2 min. Test with battery at room temperature. If problem persists, contact provider.
2	System Malfunction High Temperature		1 beep every 20 sec	Unit will alarm when internal temperature is approaching shutdown threshold. If shutdown threshold is reached, unit will shut down and alarm screen will display and audible alarm will continue for 2 min. Ensure there are no blockages on any vents of the unit. If problem persists, contact provider.
3	System Malfunction High Pressure		1 beep every 20 sec	If shutdown threshold is reached, unit will shut down and alarm screen will display and audible alarm will continue for 2 min. If problem persists, contact provider.
4	No Breath detected		1 beep every 30 sec	No breath detected for 15 seconds. Activated after first breath or warm up screen is off, whichever comes sooner. Check cannula for kinks or leaks. If problem persists, contact provider.
5	Low Battery Shut Down		1 beep every 30 sec	Alarms until battery runs out of power and unit shuts down. Charge battery.
6	Warm Up		none	Unit will start by auto-dosing until a breath is detected or Warm up ends, whichever is sooner.

FreeStyle Comfort

Priority #	Alarm Description	Display	Audible Signal	More Details
7	Low Concentration		1 beep every 30 sec, for up to 5 min	If problem persists, contact provider.
8	System Malfunction Flow Rate (OCD Valve Failure, Obstruction of Gas Pathway)		1 beep every 30 sec	If problem persists, contact provider.
9	Low Battery Warning		1 beep, no repeat	Charge battery.
10	Breathing Rate Exceeded		1 beep every 60 sec	Breathing Rate exceeds 40 bpm. If problem persists, contact provider.
11	System Malfunction Fan Failure		none	If problem persists, contact provider.
12	System Malfunction Low Pressure		none	If problem persists, contact provider.
13	System Malfunction Low Temp		none	Allow unit to warm up to room temperature. If problem persists, contact provider.
Info	Start up		1 info beep	Screen displays at power-on and you should hear one beep to confirm buzzer is functioning Start up screen display current firmware revision in bottom right corner.

Priority #	Alarm Description	Display	Audible Signal	More Details
Info	Normal Run Screen (no DC Power connected)		none	
Info	Setting Changed		1 info beep	
Info	Plug in external Power in the off condition		none	Display CAIRE screen for 2 seconds, followed by Battery & Plug status for 5 sec before screen turns off
Info	Plug in external power in the run condition		none	
Info	Unplug external power in the off Condition		1 info beep	Display CAIRE screen for 2 seconds and then turn display off.

FreeStyle Comfort

Priority #	Alarm Description	Display	Audible Signal	More Details
Info	Unplug external power in the run Condition (with battery present)		1 info beep	
Info	In Standby Mode - when up or down button is pressed display shows battery and charging state	 	none	Screen will display for 5 sec then turn off
Info	Airplane Mode on battery power		1 long beep	
Info	Airplane Mode while plugged in		1 long beep	

Troubleshooting

Problem	Probable Cause	Solution
FreeStyle Comfort displays alarm and produces intermittent beep.	Refer to Alarm Conditions table.	Refer to Alarm Conditions table.
Oxygen concentrator does not turn on.	Battery is discharged. Not connected to external power. General malfunction.	Power the unit through the AC or DC outlet. Ensure that external connects are secure. Perform a Full Power Cycle by removing the battery and disconnecting any AC or DC external power source. Then reinstall battery, and the power cycle is complete. Reconnect external power source if desired. Contact your Equipment Provider, and change to another source of oxygen as necessary.
All other problems.		Perform a Full Power Cycle by removing the battery and disconnecting any AC or DC external power source. Then reinstall battery, and the power cycle is complete. Reconnect external power source if desired. Change to another source of oxygen as available, and contact your Equipment Provider.

Note: Some alarms will cause the unit to shut down.

Note: During a total power loss, the alarm system resets (clears any previous alarms) and will only display an alarm if the condition still exists once power is restored.